

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A cooling Cooling air supply system (10) for an aircraft and configured to for the supply [[of]] cooling air from the surroundings of the aircraft surrounds to at least two devices requiring cooling air (38, 44, 56) within the aircraft, the cooling air supply system comprising; [[with]]

an air inlet (12),

an air channel (16) communicating with the air inlet, (12) and

an air distribution device (30, 32, 34) for the distribution of air from the air channel to the at least two devices requiring cooling air (38, 44, 56), and

at least one shutter disposed in the air distribution device and configured to throttle the distribution of air to the at least two devices requiring cooling air,

whereby the air inlet is sized to provide sufficient air flow to accommodate a (12) is proportioned in such a way, that it covers the maximum cooling air requirement of the at least two devices requiring cooling air (38, 44, 56).

2. (Currently Amended) A cooling Cooling air supply system (10) in accordance with claim 1, characterized characterised in that the air inlet is a National Advisory Committee for Aeronautics (NACA) in the form of an NACA air inlet (12) in an outer skin (14) of the aircraft.

3. (Currently Amended) A cooling ~~Cooling~~ air supply system (10) in accordance with claim 1, characterized characterised in that the air channel communicating with the air inlet (12) has a diffuser (16).

4. (Currently Amended) A cooling ~~Cooling~~ air supply system (10) in accordance with claim 3, characterized characterised in that there is at least one air compressor (26), ~~preferably a~~ ventilator, in the diffuser (16) or in one of the first bypass lines (20) leading off from the diffuser (16).

5. (Currently Amended) A cooling ~~Cooling~~ air supply system (10) in accordance with claim 4, characterized characterised in that the air compressor (26) is ~~electrically powered or in the~~ form of a turbo-compressor.

6. (Currently Amended) A cooling ~~Cooling~~ air supply system (10) in accordance with claim 3, characterized characterised in that a check valve (22) is provided in the diffuser (16) or in one of the second bypass lines (18) leading off from the diffuser (16), which prevents the cooling air from flowing back into the diffuser (16).

7. (Currently Amended) A cooling ~~Cooling~~ air supply system (10) in accordance with claim 6, characterized characterised in that the first bypass line (20) and the second bypass line (18) are arranged in parallel.

8. (Currently Amended) A cooling ~~Cooling~~ air supply system (10) in accordance with claim 3, characterized characterised in that a cooling air collection chamber is located downstream of

(28) joins onto the diffuser and (16), preferably following the parallel arrangement of the first and second bypass line (20, 18).

9. (Currently Amended) A cooling Cooling air supply system (10) in accordance with claim 8, characterized characterised in that there is at least one cooling air supply line (30, 32, 34) positioned between the cooling air collection chamber (28) and each of the devices requiring cooling air (38, 44, 56).

10. (Canceled).

11. (Currently Amended) A cooling Cooling air supply system (10) in accordance with claim 1, characterized characterised in that a pack bay ventilation system is the device requiring cooling air (28).

12. (Canceled).

13. (Currently Amended) A cooling Cooling air supply system (10) in accordance with claim 1, characterized characterised in that an on board oxygen generation system (OBOGS) (44) is the device requiring cooling air.

14. (Canceled).

15. (Currently Amended) A cooling Cooling air supply system (10) in accordance with claim 1, characterized characterised in that the device requiring cooling air includes; in particular the on-board oxygen generation system (OBOGS) and/or the on-board inert gas generation system (OBIGGS) has a heat exchanger (44, 56) which uses the cooling air in order to eliminate heat.

16. (Currently Amended) A cooling Cooling air supply system (10) in accordance with claim 1, characterized characterised in that the at least two devices requiring cooling air are connected with a common cooling air outlet (52) by means of expelled air pipes (48, 60, 50).

17. (Currently Amended) An aircraft comprising: Aircraft characterised by
an outer skin;
at least two devices requiring cooling air; and
a cooling air supply system including; (10) in accordance with claim 1
an air inlet at the outer skin,
an air channel communicating with the air inlet,
an air distribution device for the distribution of air from the air channel to the at
least two devices requiring cooling air, and
at least one shutter disposed in the air distribution device and configured to
throttle the distribution of air to the at least two devices requiring cooling air,
whereby the air inlet is sized to provide sufficient air flow to accommodate a
maximum cooling air requirement of the at least two devices requiring cooling air.